

JPW



App Docket: 210481US(4081-05900)

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Max P. McDaniel, et al	§	
		§	Group Art Unit: 1755
Serial No.:	10/829,550	§	
		§	Examiner: Not yet assigned
Filed:	April 22, 2004	§	
		§	Confirmation No.: 6367
For:	CATALYST SYSTEMS COMPRISING A	§	
	CHROMIUM CATALYST AND A NON-	§	
	TRANSITION METAL CYCLOPENTADIENYL	§	
	COCATALYST	§	

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

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12-13-04

(Date of Deposit)

Scot M. Shield

INFORMATION DISCLOSURE STATEMENT

Commissioner:

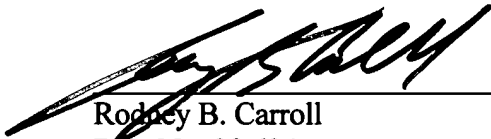
This Information Disclosure Statement, including completed Form PTO-1449, comprises a list of pertinent art of which Applicants are aware. Copies of the foreign patents and publications listed on Form PTO-1449 are enclosed herewith.

As a part of this submission, two electronic Information Disclosure Statements (eIDS) are being transmitted on this date, and includes a listing of the U.S. Patents. Printed copies of those submissions are attached hereto. In accordance with 37 C.F.R. 1.98(e), no paper copies of those U.S. Patents are enclosed.

The submission of this Information Disclosure Statement and Form PTO-1449 is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and that situation warrant such an action. It is submitted that the art cited does not constitute a bar to the patentability of Applicants' invention under 35 U.S.C. § 102 or § 103.

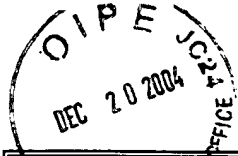
Respectfully submitted,
CONLEY ROSE, P.C.

Date: 12-13-04


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ATTORNEY FOR APPLICANTS



FORM PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 210481US(4081-05900)	SERIAL NO. 10/829,550
	APPLICANTS: Max P. McDaniel, et al	
	FILING DATE 04/22/2004	GROUP 1755

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

FOR: Catalyst Systems Comprising A Chromium Catalyst and a Non-Transition Metal Cyclopentadienyl Cocatalyst

U. S. PATENT DOCUMENTS										
Examiner Initial		Patent Number							Issue Date	Patentee

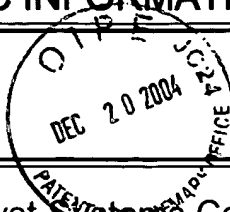
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION									
			Document Number	Publication Date	Country or Patent Office	Class	Sub-Class	Translation	
								Yes	No
		AA	JP 50045078A2	04/22/1975	Japan				X

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)			
	BA	Docker, "Cp Cocatalysts for Chromium Catalysts," <i>PI-210481 Search Report</i> , July 24, 2003, 35 pgs.	
	BB	Hieber, et al., "Some Correlations Involving the Shear Viscosity of Polystyrene Melts," <i>Rheol Acta</i> , Vol. 28, No. 4, 1989, pgs. 321-332.	
	BC	Hieber, et al., "Shear-Rate-Dependence Modeling of Polymer Melt Viscosity," <i>Polymer Engineering and Science</i> , Vol.32, No. 14, July 1992, pgs. 931-938.	
	BD	Bird, et al., "Dynamics of Polymeric Liquids, Volume 1, Fluid Mechanics," 2 nd Edition, John Wiley & Sons, 1987, 10 pgs.	
Examiner		Date Considered	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0



Title of Invention

Catalyst Systems Comprising a Chromium Catalyst and a Non-Transition Metal Cyclopentadienyl Cocatalyst

Application Number: 10/829550

10/829550

Confirmation Number: 6367

First Named Applicant: Max McDaniel

Attorney Docket Number:

Art Unit: 1755

Search string: (2825721 or 3119569 or 3248179 or 3622521 or 3625864 or 3887494 or 3900457 or 3947433 or 4015059 or 4053436 or 4081407 or 4151122 or 4152503 or 4177162 or 4182815 or 4247421 or 4248735 or 4277587 or 4294724 or 4296001 or 4297460 or 4345055 or 4364839 or 4364841 or 4364842 or 4364854 or 4364855 or 4382022 or 4392990 or 4397765 or 4397769 or 4402864 or 4405501 or 4405768 or 4424320 or 4424341 or 4436883 or 4436886 or 4444962 or 4444964 or 4444965 or 4444966 or 4460756 or 4501855 or 4504638 or 4589957 or 4613484 or 4737280 or 4900704 or 4981831).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

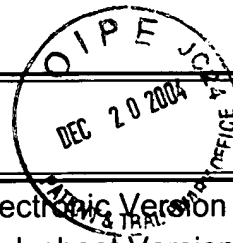
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	1	2825721	1958-03-04	Hogan, et al		260	88.1
	2	3119569	1964-01-28	Baricordi		241	55
	3	3248179	1966-04-26	Norwood		23	285
	4	3622521	1971-11-23	Hogan, et al		252	430
	5	3625864	1971-12-07	Horvath		252	430
	6	3887494	1975-06-03	Dietz		252	452
	7	3900457	1975-08-19	Witt		260	94.9
	8	3947433	1976-03-30	Witt		260	88.2R
	9	4015059	1977-03-29	Karol		526	130
	10	4053436	1977-10-11	Hogan, et al		252	452
	11	4081407	1978-03-28	Short, et al		252	458

	12	4151122	1979-04-24	McDaniel, et al	252	458
	13	4152503	1979-05-01	Short, et al	526	106
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	23	4364839	1982-12-21	McDaniel, et al	252	430
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	28	4382022	1983-05-03	McDaniel	252	452
	29	4392990	1983-07-12	Witt	252	458
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	33	4405501	1983-09-20	Witt	252	452
	34	4405768	1983-09-20	McDaniel	526	96
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	40	4444964	1984-04-24	McDaniel, et al	526	105
	41	4444965	1984-04-24	McDaniel, et al	526	105
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	43	4460756	1984-07-17	McDaniel, et al	526	106
	44	4501855	1985-02-26	Noren	525	218
	45	4504638	1985-03-12	McDaniel, et al	526	134
	46	4589957	1986-05-20	Sherk, et al	203	75
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	49	4900704	1990-02-13	McDaniel, et al	502	210
	50	4981831	1991-01-01	Knudsen, et al	502	236

Signature

Examiner Name	Date

**UNITED STATES PATENT AND TRADEMARK OFFICE
ACKNOWLEDGEMENT RECEIPT**

Electronic Version 1.1

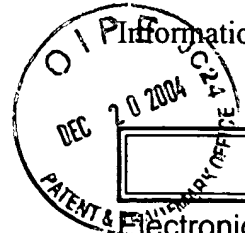
Stylesheet Version v1.1.1

Title of Invention	Catalyst Systems Comprising a Chromium Catalyst and a Non-Transition Metal Cyclopentadienyl Cocatalyst								
Submission Type: Information Disclosure Statement									
Application Number:	10/829550 *10/829550*								
EFS ID:	74099								
Server Response:	<table border="1"><thead><tr><th>Confirmation Code</th><th>Message</th></tr></thead><tbody><tr><td>ISVR1</td><td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td></tr><tr><td>ICON1</td><td>6367</td></tr><tr><td>USPTOEFSNotice</td><td>The documents provided in this submission were accepted by the USPTO. However, the fees associated with new utility and provisional Electronic Filing System (EFS) submission were not accepted by our automated systems because the USPTO software has not yet been updated for the fee structure and amounts required by the Consolidated Appropriations Act, 2005, Section 801, of Division B. In due course a corrected fee may be assessed due to changes associated with the Appropriations Act. We will charge the amount indicated in your submission. If at least the basic filing fee accompanied a new utility or provisional EFS submission, then no surcharge based on fee deficiency will be applied when any fee deficiency is paid. For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll -Free Number:1866 217-9197 Website: www.uspto.gov/ebc/</td></tr></tbody></table>	Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	6367	USPTOEFSNotice	The documents provided in this submission were accepted by the USPTO. However, the fees associated with new utility and provisional Electronic Filing System (EFS) submission were not accepted by our automated systems because the USPTO software has not yet been updated for the fee structure and amounts required by the Consolidated Appropriations Act, 2005, Section 801, of Division B. In due course a corrected fee may be assessed due to changes associated with the Appropriations Act. We will charge the amount indicated in your submission. If at least the basic filing fee accompanied a new utility or provisional EFS submission, then no surcharge based on fee deficiency will be applied when any fee deficiency is paid. For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll -Free Number:1866 217-9197 Website: www.uspto.gov/ebc/
Confirmation Code	Message								
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application								
ICON1	6367								
USPTOEFSNotice	The documents provided in this submission were accepted by the USPTO. However, the fees associated with new utility and provisional Electronic Filing System (EFS) submission were not accepted by our automated systems because the USPTO software has not yet been updated for the fee structure and amounts required by the Consolidated Appropriations Act, 2005, Section 801, of Division B. In due course a corrected fee may be assessed due to changes associated with the Appropriations Act. We will charge the amount indicated in your submission. If at least the basic filing fee accompanied a new utility or provisional EFS submission, then no surcharge based on fee deficiency will be applied when any fee deficiency is paid. For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll -Free Number:1866 217-9197 Website: www.uspto.gov/ebc/								
First Named Applicant:	Max McDaniel								
Attorney Docket Number:									
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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

**Title of
Invention**

Catalyst Systems Comprising a Chromium Catalyst and a Non-Transition Metal Cyclopentadienyl Cocatalyst

Application Number: 10/829550 *10/829550*
Confirmation Number: 6367
First Named Applicant: Max McDaniel
Attorney Docket Number:
Art Unit: 1755
Search string: (5276115 or 5565175 or 5575979 or 5597892 or 6239235 or 6583241 or 6617403 or 6642324 or 6657023).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5276115	1994-01-04	Bohmer, et al		526	126
	2	5565175	1996-10-15	Hottovy, et al		422	132
	3	5575979	1996-11-19	Hanson		422	132
	4	5597892	1997-01-28	Hanson		528	501
	5	6239235	2001-05-29	Hottovy, et al		526	64
	6	6583241	2003-06-24	Beach, et al		526	160
	7	6617403	2003-09-09	Sukhadia, et al		526	106
	8	6642324	2003-11-04	Bergmeister, et al		526	129
	9	6657023	2003-12-02	Bergmeister, et al		526	104

Signature

Examiner Name	Date